FORTH Systems Overview (2023-09)

Name	Autor	Jahr	Last Version	Standard	ARM		x86	RISC-V	MIPS	PowerPC	x51	8080/Z80	65xx	68xx	68xxx	Coldfire	AVR	PIC	MSP430	Others	OS					System	Bits	Description
					Cortex-M	Cortex-A															CP/M	DOS	Windows	Linux	Other			
2k1Forth	D. K. Elvey	1997																		x						ADSP2181	16	Targetcompiler für ADSP-2100 EZKIT Lite (using TCOM)
44	Larry Battraw	1996		Small Forth						x																PPC403	16	Small Forth-like system
4th	J.L. Bezemer	2016	3.62.4	ANS Standard																x		x	x	x	x	different	16/32	Forth Compiler for different systems (using C or Pascal Comp.)
4THMACS	Hanno Schwalm	1994	3.0																	x						Archimedes RISCOS	32	Hanno Schwalm's port of Mitch Bradleys "Forthmacs 3.0".
51FORTH	Scott Gehmlich	1993									x															80C31	16	Only Forth assembler listing
64forth Cartridge	Tom Zimmer	2002		F83									x												x	C64	16	64FORTH is a cartridge program for the Commodore 64
6502FORTH	Programma International, Inc.	1979	1.2	FIG									x													6502	16	Only Users Manual available
75Forth	John Cassady	1983																		x						HP-75C	16	Forth for HP-75C Calculator
79-Forth	C. H. Ting	1983	1	FORTH-79									x												x	Apple-II (6502)	16	Apple ROM Version with book "FORTH for the Complete Idiot"
80C552 FORTH System	Alberto Pasquale	1991									x															80C552	16	using CROS-16 (Universal Cross-Assemblers)
A4TH	Peter Appelman			Forth-83											x											Amiga1000	32	A Public Domain Forth system for Amiga's
AlexForth	Alexandre Dumont												x													6502	16	Forth for the Homebrew 6502 SBC
AmForth	Matthias Trute	2020	6.9		x			x																		LM4F, Hifive1	32	Still experimental
AmForth	Matthias Trute	2020	6.9														x		x							MSP430, AVR	16	Extendible Command Interpreter
amrFORTH	A. L. Mitchell, C. Shattuck		V5								x		x							x		x	x	x		68HC11, C166	16/32	Use F-PC or Win32Forth
Arduino AVM	Mikael Patel	2016															x									Arduino	16	Arduino Forth Virtual Machine
asforth	Jeff Doyle	2017															x									Atmega328	16	Subroutine Threaded version of amForth
Atari Coin Op Forth	B. A. Miller, D. McIntyre, E. A. Klotz	1983		FIG									x													Atari 400/800	16	Variant of FIG Forth
ATLAST	John Walker		V1.0	FORTH-83											x							x				Atari ST, PC	16	Autodesk Threaded Language Application System Toolkit
Avice	cinetix@t-online.de	2016															x									ATMega8/168 boards	16	AVR Virtual Stack Engine
BBL							x																			MS-DOS	32	BBL = Big Business Language or Big Black Lady (PD Forth)
bigForth	Bernd Paysan	2010	2.4	ANS Standard			x																x	x		x86 (Linux, Windows)	32	32-bit Forth with tools like MINOS (GUI for X)
Blazin' Forth	Scott Ballantyne			F83									x												x	C64	16	A complete Forth-83 system for the C64
botForth	Steve Sheppard			Forth-83											x										x	68000	32	68000 Forth in assembler
ByteForth	Dutch Forth Group (HCC)		2.07/2.00								x						x									AVR, 8051	8	Supports different versions of AVR and 8051
Camel-Forth 1802	Bradford J. Rodriguez	2009		ANS Standard																x						RCA1802	16	Tested on Simulator
Camel-Forth 6809	Bradford J. Rodriguez	1995		ANS Standard										x												6809	16	Tested on ScroungeMaster II, MAIS AN601 port from Albert Nijhof
Camel-Forth 8051	Bradford J. Rodriguez	1999	1.6	ANS Standard							x															8051	16	Tested on Simulator
Camel-Forth 8086	Bradford J. Rodriguez	2009	0.2	ANS Standard			x															x				8086	16	DOS-Version
Camel-Forth CP/M	Bradford J. Rodriguez	1995		ANS Standard								x		x							x					CP/M (Z80)	16	Tested under CP/M
Camel-Forth MSP430	Bradford J. Rodriguez			ANS Standard															x							MSP430	16	4e4th recommended as development environment
CamelForth RP2040	Chris H. (WA1TNR)	2021	0.1.4	ANS Standard	x																					RP2040	32	Preliminary version
ciforth (lina)	Albert von der Horst (HCC)	2010	4.1	ISO Forth			x															x	x		x	Intel MAC	16/32	Same source for all implementations
cmForth	Charles H. Moore			(Moore)																x					x	NC4000, RTX2000	16	Forth for FORTH-Chip Novics NC4000 and RTX-2000
coldForth	Colour Vision Systems	2001	0.8													x										Coldfire 5407	32	With TCP/IP - Telnet support
colorForth DOS	Charles H. Moore			(Moore)			x															x				DOS (386)	32	Type are in the color of each word
colorForth F18	Charles H. Moore			(Moore)																x						F18	16	Type are in the color of each word
colorForth GA144	Charles H. Moore			(Moore)																x						GA144	16	144 small Forth-Processors
colorForth Windows	Charles H. Moore			(Moore)			x																x			Windows (386)	32	Type are in the color of each word
comFORTH	Egmont Woitzel			Forth-83			x																x			Windows	32	Commercial Forth-System for Windows
coreForth	Eckhart Koeppen	2015		diverse	x																					Cortex-M0/M3	32	LM3S811, Arduino Due, Olimex STM32-P103 …
DiaperGlue32	James Norris	2020					x																x		x	i386 (Win32, Mac OS X, Linux)	32	32-bit Forth in C/C++ and assembler
DiaperGlue64	James Norris	2020					x																x		x	i586 (Win64, Mac OS X13.3)	64	64-bit Forth in C/C++ and assembler
DurexFORTH	Johan Kotlinski		1.3										x												x	C64	16	Modern C64 Forth with graphics and music support
DX-Forth	Ed ?	2001	4.17	Forth-83			x															x				DOS (8086)	16	Experimental Forth Compiler for DOS
DX-Forth	Ed ?	2001	3.98	Forth-83								x									x					CP/M-80	16	Experimental Forth Compiler for CP/M-80
eForth 56002	C. H. Ting, Dave Taliaferro			eForth																x						DSP56002	16	New Model with ~200 Words often compiled with MASM
eForth 68000	C. H. Ting, Richard H. Haskell			eForth											x											68000	32	New Model with ~200 Words often compiled with MASM
eForth 6805	C. H. Ting			eForth										x												6805	16	Used for FPGA implementation
eForth 6811	C. H. Ting, Karl Lunt, W. Schemert			eForth										x												6811	16	New Model with ~200 Words often compiled with MASM
eForth 6812	C. H. Ting			eForth										x												6812	16	Optimized using subroutine threading
eForth 6816	C. H. Ting, Pete Zawasky			eForth										x												6816	16	New Model with ~200 Words often compiled with MASM
eForth 78C10	C. H. Ting			eForth																x						78C10	16	New Model with ~200 Words often compiled with MASM
eForth 8051/XA	C. H. Ting			eForth							x															8051	16	New Model with ~200 Words often compiled with MASM
eForth 8080	C. H. Ting			eForth								x										x				8080 on FPGA	16	New Model with ~200 Words often compiled with MASM
eForth 8086/80386	C. H. Ting			eForth			x															x				DOS (8086)	16/32	New Model with ~200 Words often compiled with MASM
eForth 8098	C. H. Ting			eForth																x						8098	16	New Model with ~200 Words often compiled with MASM
eForth ADSP2181	C. H. Ting			eForth																x						ADSP2181	16	16-bit DSP version
eForth ARM7TMDI	C. H. Ting			eForth																x						LPC2100, ADuC702x	32	eForth for ARM7TMDI
eForth ARM-M	C. H. Ting			eForth	x																					STM32F1/F4	32	eForth for Blue Pill
eForth AVR/Arduino	C. H. Ting			eForth													x									AVR328, Arduino	16	Direct implementation for AVR an C version for Arduino
eForth E220	C. H. Ting, Johannes Eißing			eForth																x						Sharp E220 (Z80)	16	New Model with ~200 Words often compiled with MASM

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					Cortex-M	Cortex-A															CP/M	DOS	Windows	Linux	Other			
eForth eP16/eP32	C. H. Ting			eForth																x						FPGA	16	eP16 and eP32 in VHDL for Lattice XP2 Brevia Kit
eForth H8-532	C. H. Ting			eForth																x						H8-532	16	New Model with ~200 Words often compiled with MASM
eForth in C	C. H. Ting			eForth																x						different	16	Portables Forth for many systems
eForth in F#	C. H. Ting, Cheahsin Yap			eForth																x						different	16	Windows XP
eForth in J1	C. H. Ting, Samawati			eForth																x						J1A (FPGA)	16	J1 is a FPGA-Forth Processor
eForth in Java	C. H. Ting, Michael A. Losh			eForth																x						different	16	Java Virtual Machine
eForth MIPS	C. H. Ting			eForth					x																	Silicon Graphics WS	16	Small C loader and use I/O routines from C library
eForth MSP430	C. H. Ting			eForth															x							MSP430	16	New Model with ~200 Words often compiled with MASM
eForth MuP21	C. H. Ting		2.08	eForth																x						MuP21	16	New Model with ~200 Words often compiled with MASM
eForth PDP1	C. H. Ting			eForth																x						PDP1 on FPGA	16	New Model with ~200 Words often compiled with MASM
eForth PIC17	C. H. Ting			eForth														x								PIC17	16	New Model with ~200 Words often compiled with MASM
eForth PowerPC	C. H. Ting			eForth						x																MPW on PowerPC-Mac	32	NEXT is a branch-through-link-register machine instruction
eForth STM8	C. H. Ting			eForth										x												STM8	16	STMicroelectronics STM8 is a modification of NXP HC08
eForth Transputer	C. H. Ting, Bob Barr			eForth																x						Inmos Transputer	32	Experimental version
eForth Z80	C. H. Ting			eForth								x														Z80, Rabbit, E220	16	New Model with ~200 Words often compiled with MASM
ESF Z-80 Forth	Vern Taliman	2011		FIG								x														Z80	16	Adaption of 8080 FIG Forth to Z80
Eulex	David Vázquez Púa	2009		Forth-79			x																			i386	32	A Bare Metal Forth Implementation
F68K	Jörg Plewe	1992		Forth-83											x										x	68000-PC's	32	68000-Forth for Atari ST, Sinclair QL, Amiga and OS/9
F83 68000	Laxen & Perry	1983		Forth-83											x						x					CP/M 68000	32	Reference for many implementation
F83 8080/Z80	Laxen & Perry	1983		Forth-83								x														CP/M	16	Reference for many implementation
F83 8086	Laxen & Perry	1983		Forth-83			x														x	x				DOS (8086), CP/M	16	Reference for many implementation
F83 Amiga	Laxen & Perry	1983		Forth-83											x											Amiga	32	Reference for many implementation
F83 Atari ST	Laxen & Perry	1983		Forth-83											x											Atari ST	32	Reference for many implementation
F83 NC4000	Laxen & Perry	1983		Forth-83																x						NC4000	16	Reference for many implementation
FANF	Konstantin Dimitrov	2014	1408															x								PIC32MX170	32	Forth-link Programming Language for PIC32MX170
Fast 8 Forth	M. Simon	1996		FIG																x						Z8, Super8	16	High speed Forth based on a modified version of fig-FORTH model
fastforth	Charles Curley			FIG											x										x	68000 (Atari ST)	32	32-bit Forth for the Atari ST
FastForth MSP430	Jean-Michel Thorrens																		x							MSP430FRxxxx	16	For TI's LaunchPad MSP-EXP430FR[5969|6989|5994|5739|4133]
FCC	Braden Shepherdson	2020		ANS Standard		x	x																			x86 and ARMv7	32	FCC - Portable C engine
feline	Peter Graves	2021		Forth-2020			x																			AMD-64	32	64-bit native code Forth 200x
FF2-6800	Wilson M. Federici			FIG										x												6800	16	Forth83/Flex2 distribution disk
FF2-6809	Wilson M. Federici			FIG										x												6809	16	Forth83/Flex2 distribution disk
Fifth	CLICK Software						x																			DOS (8086)	16	Fifth is an interactive program development environment
fig-FORTH 1802	Garry R. Bradshaw	1981	Rel. 1	FIG																x						RCA1802 (COSMAC 1802)	16	Mostly Listing and source code available
fig-FORTH 6502	Bill Ragsdale	1979	1.1	FIG									x													6502 (Rockwell System-65)	16	Variants also for Atari 400/800, Apple II, Nova, and Eclise C
fig-FORTH 6800	Dave Lion	1979	Rel. 1	FIG										x												6800 (AMI EVK 300 PROTO)	16	Mostly Listing and source code available
fig-FORTH 68000	Kenneth Mantei	1983	1.1	FIG											x											68000	32	Mostly Listing and source code available
fig-FORTH 68020	Chuck Grandgent			FIG											x											68020 (NEC Astra)	32	Forth for NEC ASTRA MINICOMPUTER (SYSTEM 150)
fig-FORTH 6809	R. J. Talbot, Jr.	1980		FIG										x												6809 (SFjTPC 6809)	16	Mostly Listing and source code available
fig-FORTH 6811	Brian McClellan	1990		FIG										x												6811A1	16	Mostly Listing and source code available
fig-FORTH 8080	John Cassady	1979	1.1	FIG								x														8080 (CP/M, TRS-80)	16	Mostly Listing and source code available
fig-FORTH 8086/8088-CP/M	Thomas Newman	1981	1.0	FIG			x														x					8086/8088 (CP/M-86)	16	Mostly Listing and source code available
fig-FORTH 8086-DOS	J. E. Smith	1982	1.2E	FIG			x															x				8086 (DOS)	16	Mostly Listing and source code available
fig-FORTH 9900	9900 Software Services	1981		FIG																x						TMS9900 (TI 99/4)	16	Mostly Listing and source code available
fig-FORTH Alpha	Robert Berkey	1980		FIG																x						Alpha Micro	16	Mostly Listing and source code available
fig-FORTH Apple-II	Robert E. Kuntze	1981	1.1	FIG									x												x	Apple-II (6502)	16	Mostly Listing and source code available
fig-FORTH Eclipse C	C. H. Ting	1982		FIG																x						Eclipse C and S Series	16	Mostly Listing and source code available
fig-FORTH i586-PC-Linux	H.-Peter Recktenwald	2002		FIG			x																	x		i586 (Linux)	32	Mostly Listing and source code available
fig-FORTH Nova	C. H. Ting	1981	Rel. 1	FIG																x						Nova	16	Mostly Listing and source code available
fig-FORTH PACE	David Kilbridge	1979		FIG																x						National PACE	16	Mostly Listing and source code available
fig-FORTH PDP11	John S. James	1980	1.3	FIG																x						PDP11	16	Mostly Listing and source code available
fig-FORTH TRS-80	Michael Weiblen	1986	1.1D	FIG								x													x	8080 (TRS-80)	16	Mostly Listing and source code available
fig-FORTH VAX	Bob Haller, Doug Mercer	1980	1.0	FIG																x					x	VAX (Unix)	16	Mostly Listing and source code available
fig-FORTH Z80	John Cassady	1982	1.1	FIG								x													x	Z80 (CP/M-80, Amstrat)	16	CP/M-80, Amstrat CPC464
FIRST	W.Schemmert	1994		ANS Subset			x															x				DOS (8086)	16	FIRST is an ANS Forth Standard CORE subset
FISH Forth	M. L. Simon, C. W. Phillips Jr.			FIG	x																					LPC8xx/11xx, STM32	32	LPC812-, LPC111x-, and STM32F4 Discovery Board
FlashForth	Mikael Nordman																x	x								PIC 18/24, dsPIC, Atmega	16	Standalone native Forth operating system
FOeRTHchen	Helmar Wodtke			Subset			x																			x86, Javascript, Perl	32	The small Forth
ForST	John Redmond	1991													x											Atari ST	32	68K subroutine-threaded Forth with optimisation
Forth II	William G. Graves												x												x	Apple-II (6502)	16	Apple ROM Version with book "FORTH for the Complete Idiot"
Forth09	D. P. Johnson	1988		Forth-83										x												OS-9 for 6809	16	Forth for OS-9 running on 6809
Forth-11	Thomas E. McGuire																			x						PDP11	16	Kitt Peak Multi-Tasking Forth

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					Cortex-M	Cortex-A															CP/M	DOS	Windows	Linux	Other			
FORTH2020	Peter Forth	2020		ANS Standard			x																x			Windows	32	Based on WinForth
FORTH51	William H. Payne										x															8051	16	Book available: William H. Payne - Embedded Controller FORTH
FORTH68K	Andy Valencia	1994		Forth-83											x										x	68000	32	68000 assembler source
FORTH86	Jerry Boutelle			FIG			x																			DOS (8086)	16	Adaption of FIG-8086 to NAUTILUS metacompiler
ForthARM	Braden Shepherdson	2020		ANS Standard		x																				ARMv6	32	Forth for Raspberry PI
ForthCPM	Tom Almy	2018		ANS or FIG			x																			DOS (8086)	16	Compiles Forth into machine code
FORTHdsPIC	Bill Marshall ?	2013	0.5															x								PIC24/dsPIC	16	Examples for FFT and other bare metals
F-PC	Tom Zimmer	1991	3.56	Forth-83			x															x				DOS (386)	32	Standard for DOS Forth
F-TP	Fred Behringer	1996	1.00	F83, TurboForth																x						T80x	16	Forth for the Transputer T80x
Gforth EC	Crook/Ertl/Kühhling/Paysan/Wilke			ANS Standard	x		x		x				x		x					x						H8, R8C, C166, NXT …	16	Embedded Gforth version for Lego NXT and much more
Gforth Linux	Crook/Ertl/Kühhling/Paysan/Wilke		0.7.9	ANS Standard			x																	x		Linux	32	Portables Forth for many systems
Gforth Win32	Crook/Ertl/Kühhling/Paysan/Wilke		0.7.9	ANS Standard			x																x			Windows (386)	32	Portables Forth for many systems
Gforth Win64	Crook/Ertl/Kühhling/Paysan/Wilke		0.7.9	ANS Standard			x																x			Windows (586)	64	Portables Forth for many systems
goforth	Matt Hellige	2012																		x						DCPU-16 (FPGA)	16	Emulator and Forth for Notch's DCPU-16
GraForth	Paul Lutus												x												x	Apple-II (6502)	16	Forth with graphic and sound support
GSForth													x												x	Apple-II (6502)	16	No information - only disc images
hForth	Wonyong Koh			eForth		x	x					x														StrongArm, x86, Z80	16/32	Based on eForth
Holon	Wolf Wejgaard	1996	4.0				x															x				DOS (8086)	16	Modular Forth
HS/FORTH	Harvard Softworks	1990					x																			8086 (DOS)	16	Extended memory, Optimizer, Sound, Graphics, 80x87 Libraries
IsoMax														x												6811	16	Forth-like Language for RT-application and Isostructure
Java Forth	Frank Buss			Java Forth																x					x	Web-Browser	32	Class-Implementation of Forth
Jax4th	Jack J. Woehr	2000	1.25/0.3.17				x								x											Windows NT, Amiga	32	Free Forth written in MASM6.11
Jforth	Mike Haas, Phil Burk	1998		Forth-83											x											Amiga	32	JForth PD is a complete JForth software development system
Jupiter ACE Forth													x													Jupiter ACE	16	One of few personal computer with Forth in ROM
Kevo	Antero Taivalsaari	1992	0.9b2												x											Apple Macintosh	32	Prototype based OOS resembles Forth
kforth (32/64)	Krishna Myneni	1998					x																x	x		Linux (386/586) / Windows	32/64	32- or 64-bit Forth System for x86-GNU/Linux
KK-Forth 68332	Klaus Kohl	1990	1.2	Forth-83											x											68332	16	68332 version (16-Bit RAM version)
KK-Forth 8415	Klaus Kohl	1990	1.2	Forth-83								x														84C015 (Z80)	16	EMUF-84C015 version
KK-Forth C165	Klaus Kohl	1998	1.3.1	Forth-83																x						C165	16	Infineon C165 version
KK-Forth FG	Klaus Kohl	1990	1.2	Forth-83																x						NC4000	16	Novics NC4000 version
KK-Forth PC	Klaus Kohl	1990	1.2	Forth-83			x															x				DOS (8086)	16	DOS implementation with terminal for other versions
KK-Forth V20	Klaus Kohl	1990	1.2	Forth-83			x																			V20 (8086)	16	Version for NEC V20 (8086 compatible)
L.O.V.E Forth	H. Seywerd, W. R. Elehew, P. Cavén	1988		Forth-83			x																			DOS (8086)	16	Distributed under the User Supported software concept
LaForth	LaFarr Stuart, Robert L. Smith			FIG			x															x				DOS (8086)	16	An Experimental Forth For IBM-PC
LMI Forth	Ray Duncan, A. Flesch	1987		Forth-83										x												6811	16	Source and Assembler
LMI UR/Forth	Laboratory Microsystems	1987		Forth-83			x																			DOS (8086)	16	Commercial Forth-System for DOS
lpforth	Jih-tung Pai	2001					x																	x		Linux	32	Small Forth for Linux
MaxForth	MS Microscan	1986												x												F68HC11	16	6811 with Forth in ROM (New Micros NMIS-0021 Forth SBC)
Max-Forth	MS Microscan			Forth-83										x												6812	16	MAX-Forth adaptet to 68HC12
mcForth	Klaus Kohl-Schoepe	2020	1.0	ANS Standard	x															x			x			XMC1100, Windows	32	Cortex-M0 for XMC1100, Virtual Processor in MASM for PC
mecrisp EFM32	Matthias Koch			ANS Standard	x																					EFM32GG/HG	32	Some Silicon Labs EFM32
mecrisp J1A	Matthias Koch			ANS Standard																x						J1A (FPGA)	32	e.g. for Intel MAX10
mecrisp Kinetis K	Matthias Koch			ANS Standard	x																					K20	32	Some NXP Kinetis K
mecrisp Kinetis L	Matthias Koch			ANS Standard	x																					KL25/46	32	Some NXP Kinetis L
mecrisp LPC111x	Matthias Koch			ANS Standard	x																					LPC111x	32	LPC111x-Family of Cortex-M0
mecrisp MSP430	Matthias Koch			ANS Standard															x							MSP430	16	MSP430 Version
mecrisp MSP432	Matthias Koch			ANS Standard	x																					MSP432	32	Cortex-M4F with MSP430 peripheral
mecrisp NRF	Matthias Koch			ANS Standard	x																					NRF51822	32	Nordic-Version
mecrisp RISC-V	Matthias Koch			ANS Standard				x																		GD32VF103 …	32	Different variants (also for FPGA like MAX1000 with RISC-V IP)
mecrisp Stellaris	Matthias Koch		2.2.4	ANS Standard	x																					LM3S/LM4F	32	Many TI Stellaris MF3S and LM4F120 (now TM4C)
mecrisp STM32	Matthias Koch			ANS Standard	x																					STM32F1/2/3/4	32	Nearly complete STM32F-Family
mecrisp XMC1100	Matthias Koch			ANS Standard	x																					XMC1100	32	Infineon XMC1xxx-Family
megaforth (genforth)	Erik Haliewicz														x											68000	32	Forth designed for the Sega Megadrive
MicroByte FORTH			v1.0	Forth-79																x						Signetics 2650	16	2650 Forth e.g. for Signetics Instructor 50
microForth	Forth Inc.	2009		ANS Standard																x						RCA1802	16	Forth for RCA COSMAC
minForth	John Williamson			ANS Standard		x																x				ARMv7	32	Bare-metal Raspberry Pi port
MinForth DOS	Andreas Kochenburger			ANS Standard			x															x				DOS (8086)	16	Minimalistic but complete FORTH System in (Turbo-)C
MinForth Linux	Andreas Kochenburger			ANS Standard			x																	x		Linux (586)	32	Minimalistic but complete FORTH System in (Turbo-)C
MinForth Win32	Andreas Kochenburger			ANS Standard			x																x			Windows (586)	32	Minimalistic but complete FORTH System in (Turbo-)C
MINI4TH	Ted Beach	1988		Small Forth			x															x				DOS (8086)	16	Small Forth system based on ZEN Forth
MMSFORTH	Richard Miller	1982		FIG			x																			TRS-80 (8080)	16	Adaption of fig-Forth for 8080
Moonforth	Marco Aurélio da Silva ?	2015																		x						DCPU-16 (FPGA)	16	Forth for the FPGA implementation of DCPU-16

FORTH Systems Overview (2023-09)

Name	Autor	Jahr	Last Version	Standard	ARM		x86	RISC-V	MIPS	PowerPC	x51	8080/Z80	65xx	68xx	68xxx	Coldfire	AVR	PIC	MSP430	Others	OS					System	Bits	Description
					Cortex-M	Cortex-A															CP/M	DOS	Windows	Linux	Other			
MOPS	Michael Hore	1995	2.6												x											Apple Macintosh	32	Full featured development system for Macinthosh
MPE MSP430 Lite	Microprocessor Engineering Limited	2013	v7.3																x							MSP430	16	Lite version of commercial Forth
muforth	muforth.nimblemachines.com			Small Forth	x			x						x				x	x							AVR, HC08, PIC18 …	16	Small, simple, fast, indirect-threaded code Forth
MyForth	Charley Shattuck, Bob Nash	2006									x						x									805x, ADuC841, AVR	16	A Minimalist 8-Bit Forth using ideas from Colorforth
nanoFORTH	Rafael Deliano	2004		Forth-83										x												68HC908GP32	16	Available with assembler
Ninth Forth	YakPeople - Strick Yak	2016												x											x	6809 (OS-9)	16	Forth for OS-9 on MC6809
noForth	Albert Nijhof & Willem Ouwerkerk							x											x							RISC-V, MSP430	16/32	Forth for MSP430 (16-bit) and RISC-V (32-bit)
nop	https://github.com/iru-/nopforth						x																	x		Linux, macOS, Windows	64	Nop is a dialect of the Forth programming language for x86_64
OF816	https://github.com/mgcaret	2020		IEEE 1275-1994									x													65C816	16	65C816 Forth heavily inspired by Open Firmware
OneForth	John Redmond	2015		F83											x											Atari ST	32	Supports all GEMDOS functions
Open Firmware	Mitch Bradley			IEEE 1275-1994		x			x	x															x	different	32	Bootloader for many high end systems
ORForth	Robert Edwards	2008		Forth-83																x						Z8	16	using 32K EPROM and 32K RAM
OSX-Forth	Chris Hinsley	2015					x																			AMD-64	32	Forth for OSX, bootstrap from x86 NASM then Forth only
pbForth	Ralph Hempel	2009																		x						Lego Mindstorms RCX Brick	16	Forth for Lego Mindstorm with H8/300 Controller
Pettil	Charlie Hitselberger												x													6502 (PET, C64, VIC, Apple)	16	Forth for 6052 PC's
pijForthos	Dale Schumacher, Tristan Slominski	2014				x																				Raspberry Pi	32	Raspberry Pi JonesFORTH O/S
polyFORTH	Forth Inc.	1984					x															x				MS-DOS	32	Forth with multiuser support and data base tools
ppForth	Jih-tung Pai	1991	08102001																	x					x	Palm OS	32	Palm Pilot Forth
preForth / seedForth	Ulrich Hoffmann			Minimal			x																			i386	32	Only 13 primitives - seedForth complete it to full Forth
PropellerForth	Cliff L. Biffle	2006																		x						Propeller	16	For Parallax Demo Board
PropForth	Sal Sanci																			x						Propeller	16	An Introduction to Interactively programming parallel processors
Punyforth	Attila Magyar	2018		Forth inspired …		x	x													x				x		Rpi, ESP8266	32	Simple stack-based Language for IoT
Pygmy	Frank Sergeant	1990	1.7	Small Forth/ANS			x															x				DOS (8086)	16	Small Reference to ANS
Qforth	Toshiyasu Morita, R. Kneusel												x												x	Apple-II (6502)	16	A simple 16-bit integer Forth for ProDOS
r3	Pablo Hugo Reda	2021					x																x	x		Windows, Linux	64	Forth inspired by ColorForth, OS link through dynlib
r3d4	Pablo Hugo Reda	2020				x	x																x	x	x	Windows, Linux, MAC, Rpi 4	64	Forth inspired by ColorForth, SDL version
r4	Pablo Hugo Reda	2005					x																x			Windows	32	Forth inspired by ColorForth, Bytecode virtual machine
RAFOS FORTH	Everett Carter	1986	V1.0	Forth-79										x												6805	16	Forth with SW floatingpoint on 6805
rc/Forth	Mike Riley	2023	v0.55	Forth-83 ?										x											x	1802	16	Forth for RCA 1802 used in COSMAC ELF
real-Forth	Charles Curley			FIG			x															x				MS-DOS (8086)	16	16-bit 8086 fig-forth
Reva	Ron Aaron			ANS Standard			x																x	x		Windows, Linux	32	Based on RetroForth with ideas from HelFORTH
Rockwell AIM-65 FORTH	Rockwell International	1979											x												x	AIM-65 (6502)	16	Integrated in AIM-65 ROM
rpiForth	Roland Koluvek, Alex Chadwick	2013				x																				Raspberry Pi	32	A Forth Operating System for Raspberry Pi
RSC-Forth	Rockwell International	1983	1.7	FIG									x													R65F01Q/11Q (6502)	16	FORTH im ROM / Rockwell R65FR1 Forth Develoment ROM
SectorForth	Cesar Blum	2020		Minimal			x															x				x86-Bootversion	16	A 512-byte, bootable x86 Forth
SFORTH	Alan DeMars			Forth-83											x										x	68000	32	68000 assembler source
SixtyForth	David Jones	2018		ANS Standard			x																			AMD-64	32	64-bit Intel assembly
STM8EF	Thomas (TG9541)			eForth										x												STM8	16	Based on eForth STM8 using SDCC
StrongForth	Dr. Stephan Becher			ANS Standard			x																			DOS (8086)	16	ANS Forth with strong type checker
Super8 Forth	Klaus Kohl	1991		Forth-83																x						Super8	16	ROM-Version of Zilog Super8
SwapForth FT900	James Bowman			ANS Standard																x						FT900	16/32	Cross-Platform 16-/32-Bit ANS-Forth for FDTI FT900
SwapForth J1a	James Bowman			ANS Standard																x						J1A (FPGA)	16/32	Cross-Platform 16-/32-Bit ANS-Forth for J1A
SwiftForth	Forth Inc.						x																x	x	x	Windows, Linux, macOS	32	Complete Forth System
SwiftX Cross Compiler	Forth Inc.				x						x			x	x	x	x		x	x				x		+68HC11/12 and RTX2010RH	16	SwiftX Integrated Cross-Development Software
Tachyon	Peter Jakacki	2012	3.0	16-bit wordcode																x						Parallax Propeller P1	32	Fast Forth with FAT32+VGA
Tali Forth	Scot W. Stevenson	2014											x													65C02	16	STC-Implementation of ANS
TAQOZ RELOADED	Peter Jakacki																			x						Parallax Propeller P2	32	TAQOZ included in P2 ROM or full version loadable (SD/Flash)
tForth	Dutch Forth Group (HCC)	1991																		x						Inmos Transputer	16	ANSI Forth for the transputer with parallel facilities (Commercial)
Tiny Open Firmware	Brad Eckert		3.03	IEEE 1275-1994							x				x	x	x									Coldfire, 68K, AVR, x51	16	Based on Open Firmware (use Fcode)
TurboForth	Mark Wills																			x						TI-99/4A	16	TMS9900 Forth for Texas Instruments TI-99/4A
ucForth	Charles Esson	2006														x								uC		Coldfire 5272	32	Using ucLinux on Coldfire
UF	Felix L. Winkelmann						x													x			x	x	x	unx/varvara	8	Traditional Forth for unx/varvara virtual computer
UniForth 6502	Unified Software Systems												x												x	Apple-II (6502)	16	Subset of professional UNIFORTH (UniForth Sampler)
UniForth 68000	Unified Software Systems			Forth-83											x										x	68000	32	Subset of professional UNIFORTH (UniForth Sampler)
UniForth Z80	Unified Software Systems	1985		Forth-83								x													x	Z80	32	Subset of professional UNIFORTH (UniForth Sampler)
unx	Devine Lu Linvega						x													x			x	x	x	Windows, Linux	8	Virtual Stack Machine
ValForth	Valpar International	1982		FIG									x													Atari 400/800	16	Support for graphic games
Vforth	Matteo Vitturi	1990										x														Z80 (ZX Spectrum 48/128)	16	Back-porting to ZX Microdrive from v.Forth NETZXOS
VIC Forth	Tom Zimmer	1982											x												x	Commodore VIC-20	16	Forth cartridge for Commodore VIC-20
volksForth Apple-II		2006	3.8	Forth-83									x												x	Apple-II (6502)	16	Forth-83 Implementation by Forth e.V.
volksForth Atari 400			3.81.03	Forth-83									x												x	Atari-8 Bit (6502)	16	Forth-83 Implementation by Forth e.V.
volksForth Atari ST			3.81	Forth-83											x										x	Atari ST (6502)	32	Forth-83 Implementation by Forth e.V.

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					Cortex-M	Cortex-A															CP/M	DOS	Windows	Linux	Other			
volksForth C64			3.81	Forth-83									x												x	Commodore C64 (6510)	16	Forth-83 Implementation by Forth e.V.
volksForth CPM			3.8	Forth-83								x									x					Schneider CPC (CP/M)	16	Forth-83 Implementation by Forth e.V.
volksForth DOS			3.81.41	Forth-83			x															x				DOS (8086)	16	Forth-83 Implementation by Forth e.V.
volksForth Z80			3.80	Forth-83								x									x					CP/M-2.2 (Z80)	16	Forth-83 Implementation by Forth e.V.
WHYP	Richard E. Haskell													x	x											68HC11/12, 68332	16/32	WHYP = Words to Help You Program
Win32Forth	Tom Zimmer and many more		6.14.04	Full Version			x																x			WIN32	32	Full blown Windows System
YERC	Kriya Systems, Inc.														x											Apple Macintosh	32	Yerk is an object oriented language based on a Forth Kernel
Z79Forth	Francois Laagel	2019		Forth-79, ANS94										x												6809 (HD63C09)	16	For Hitachi HD63C09 single board computer
Z8001 FORTH	Lou Odette	2005										x														Z8000/Z8001	16	Adapted from the Dr. Dobbs No. 71 (1982)
ZEN Forth	Martin Tracy			Small Forth			x															x				DOS (8086)	16	Small Reference to ANS
zeptoforth	Travis Bemann	2019			x																					RP2040, STM32L4/F4/F7	32	Written in Thumb-1/2 assembly
Zimmer Forth	Tom Zimmer			Forth-83			x															x				DOS (8086)	16	Used for some trainings
ZX81-Forth	Skywave											x										x				ZX-81	16	Forth for ZX-81 with at least 16K RAM